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CENTRAL INTELLIGENCE AGENCY

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50X1-HUM

COUNTRY North Korea

REPORT

SUBJECT Panghyon Quarry, Kusong Machine Factory

DATE DISTR.

2 March 1960

Kusong-gun, P'yongan-pukto (including

NO. PAGES

1

layout sketch of plant)

REFERENCES

RD

DATE OF
INFO.

PLACE &
DATE ACQ

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

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Information on the Panghyon Quarry, which was a cover name for the site of an underground factory during the period of its construction in 1955. The installation was part of the Kusong Machine Factory in September 1955. The report includes a ground plan of the two plants which were constructed at the site.

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51

STATE	X	ARMY	X	NAVY	X	AIR	X	NSA	X	FBI						
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I. Panghyon Quarry

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Outline:

1. The Panghyon Quarry was actually a cover name for the site of an underground factory constructed at the Changgundae-san (Mt.) (XE 911167) near Chang-ch'or Ch'ongsong-ni, Panghyon-myon, Kusong-gun, P'yongan-bukto. In November 1950. 50X1-HUM

at the construction site, there were approximately 100 persons including the staff members, such as the manager and deputy manager, and approximately 20 laborers. More manual workers were recruited and the number of personnel of the "quarry" reached some 500 in February 1951. The actual construction work of excavating caves for two underground plants was started in March 1951, and the installation of a transformer station for the plants was begun in November 1951. This construction work was, however, stopped in June 1955 due to financial (reportedly) difficulties, and approximately 300 of the employees of the "quarry" were transferred to the new construction site of the Tokch'on Coal Mine. The rest of the personnel of the "quarry" were sent to various other places.

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The construction work at the "quarry" was, however, resumed in September 1955. It is not known when the construction of this underground factory was completed.

Following the suspension of the construction work of the "quarry" in June 1955, the erstwhile manager of the "quarry", KIM Che-pong (NTA) and deputy manager HAN Yong-chu were transferred to the Tokch'on Coal Mine respectively as the manager and deputy manager of the new construction site of the coal mine.

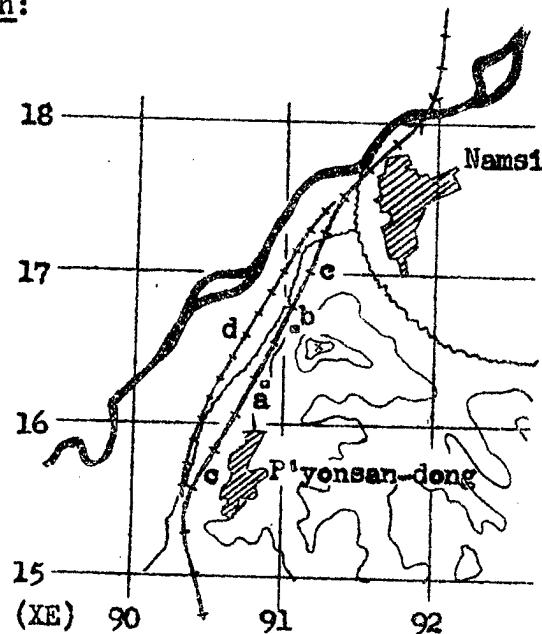
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Location:

2. The First Plant of the underground factory known as the Panghyon Quarry was constructed at XE 908163 while the Second Plant was constructed at XE 911167. The Changgundae-san, in its side this underground factory was constructed, was located near Chang-ch'on, Ch'ongsong-ni, Panghyon-myon, Kusong-gun, P'yongan-bukto.

Location Sketch:



LOCATION: 39°53'N, 125°14'E
(AMS L751, 1/50,000; 6233-IV)

Guide to Above Sketch:

- a. Location (XE 908163) of the First Plant.
- b. Location (XE 911167) of the Second Plant.
- c. Old railroad track.
- d. New railroad track. Comment: Because of the construction of this underground factory, the course of the railroad track was changed from c to d.)

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Organizational Setup:

3. Manager:

Confidential Documents Worker (female, 1)
Planning Department

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Labor & Wages Department
Bookkeeping Office
Safety Engineer

Chief Engineer:

Excavation Department (Chief)

One Statistician
Six Instructors
Three Supervisors (shift chiefs)

Civil Engineering Department
Construction Department
Maintenance Department
Survey Department

Business Deputy Manager:

Business Department
Transportation Department

Supply Deputy Manager:

Labor Supply Department
Subsidiary Economic Farm (vegetables)

Guide to Attachment (Sketch):

4. First Plant: As of June 1955, only the excavation and concrete work of this plant had been completed, and no machinery was yet installed. It was rumored that tanks would be repaired at this plant.
- a. Open passage, approximately 50 meters long and five meters wide. This was the regular passage.
 - b. Emergency passage, arch concrete (30 cm thick), approximately 25 meters long, five meters wide, and six meters high, with an iron door.
 - c. Emergency passage, arch concrete (30 cm thick), approximately 23 meters long, five meters wide, and six meters high, with an iron door.
 - d. Emergency passage, arch concrete (30 cm thick), approximately 22 meters long, five meters wide, and six meters high, with an iron door.
 - e. Passage, arch concrete (30 cm thick), approximately 20 meters long, five meters wide, and six meters high.

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- f. Wide-gauge railroad track (spur from the Chongju - Sup'ung Line).
- g. Block No. 1, exactly 30 meters long, nine meters high, and 12 meters wide, The thickness of the concrete was 70 cm.
- h. Passage, arch concrete (30 cm thick), approximately five meters long, three meters wide, and five meters high.
- i. Transformer station, arch concrete (70 cm thick), approximately ten meters long, three meters wide, and six meters high.
- j. Block No. 2. The structure and size of this block were the same as those of Block No. 1.

Cross Sectional View of Each Block:

- a. Drain.
- b. Electric wire (light).
- c. Crane track.
- d. Power line.
- e. Arch concrete.

Second Plant: It was not known for what this plant would be used.

- a. Emergency passage, arch concrete (30 cm thick), 30 meters long, five meters wide, and six meters high.
- b. Emergency passage. Same as a.
- c. Emergency passage. Same as a.
- d. Regular passage, arch concrete (30 cm thick), 30 meters long, five meters wide, and six meters high.
- e. Wide-gauge railroad track.
- f. Block No. 1, arch concrete (70 cm thick), 30 meters long, nine meters wide, and 13 meters high; completed in May 1955.
- g. Passage, arch concrete (370 cm thick), five meters long, five meters wide, and six meters high.
- h. Block No. 2, same as Block No. 1 in structure and size; under excavation as of June 1955.

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i. Passage; same as g.

j. Block No. 3; same as Block No. 1; under excavation as of June 1955.

Comment: The top soil of the both underground plants was approximately 100 meters thick.) 50X1-HUM

II.

III.

IV.

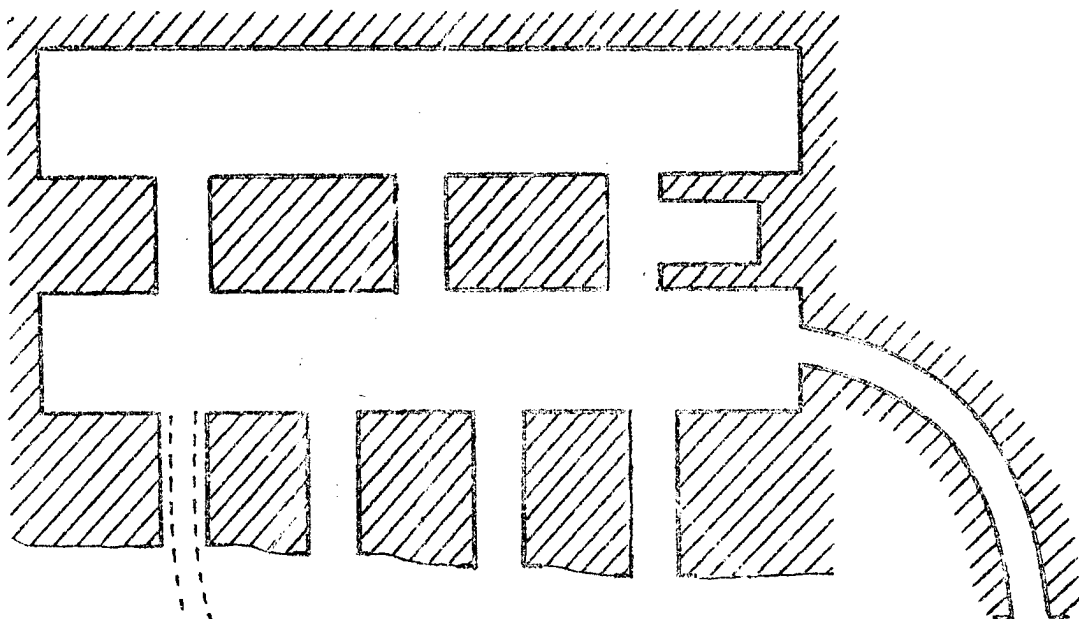
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underground factories in NK: 1) Chŏnch'ŏn Wooden Vessel Manufactory (cover name) in Chŏnch'ŏn-gun, P'yŏngan-bukto; 2) the Hŭich'ŏn Trust (cover name for an automobile parts factory) located over a hill from Hŭich'ŏn-ŏp, Hŭich'ŏn-gun, Ch'angang-do; 3) the Ceramics Factory (cover name) in Ch'angsŏng-gun, P'yŏngan-bukto; 4) the Nagwŏn Quarry (cover name for now well-known Nagwŏn Machine Manufactory) in P'ihyŏn-gun, P'yŏngan-bukto; 5) the Taedong Quarry (cover name) and 6) the Sŏngnisan Quarry in Tŏkch'ŏn-ŏp, Tŏkch'ŏn-gun, P'yŏngan-namdo. The practice was that the 50X1-HUM cover names were used only during the construction period.

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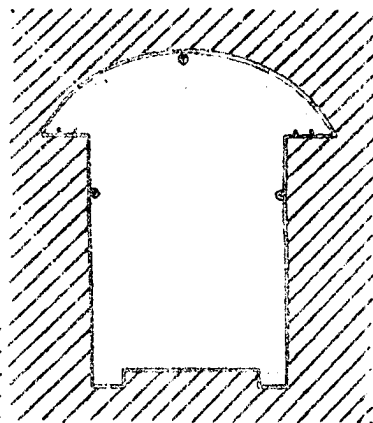
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Attachment



Ground Plan of First Plant

Ground Plan of Second Plant



Cross Sectional View
Of Each Block

